

SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL

ABSTRACT

5 A trocar is provided with a cannula and a housing and valve
assembly disposed in the housing which forms a housing seal, and instrument
seal, and in some cases a zero seal. A gel material is included in the valve and
provides the valve with superior flotation properties for maintaining the instrument
seal even when the instrument is moved off-axis. In order to accommodate
10 movement of the gel material, voids can be formed within the valve housing and
even within the gel material.